

QD
1
S923

ARKIV FÖR KEMI

UTGIVET AV

KUNGL. SVENSKA VETENSKAPS-
AKADEMIEN

Band 29

Med 52 avhandlingar



ALMQVIST & WIKSELL

STOCKHOLM

1969

Häfte 1 innehållande Nr 1-10 utkom den 23 aug. 1968

» 2	»	Nr 11-17	»	»	30 aug. 1968
» 3	»	Nr 18-23	»	»	13 sept. 1968
» 4	»	Nr 24-31	»	»	1 okt. 1968
» 5	»	Nr 32-42	»	»	11 nov. 1968
» 6	»	Nr 43-52	»	»	15 jan. 1969

TJUGONIONDE BANDETS INNEHÅLL

Sid.

1. SHANBHAG, V. P., The macromolecular properties of cellulose tricarbanilate in dilute solution. I. The viscosity-molecular weight relationship and the configuration of cellulose tricarbanilate in the solvents acetone, cyclohexanone and dioxane	1- 22
2. KLENBERG, D., The synthesis of a number of "skipped" trienoic acids	23- 32
3. SHANBHAG, V. P., Macromolecular properties of cellulose tricarbanilate in dilute solution. Part II. Sedimentation coefficient-molecular weight relation for solutions of cellulose tricarbanilate in cyclohexanone	33- 45
4. ZDANSKY, G., 5-(Benzylthioalkyl)- and 5-(benzylselenoalkyl)-substituted hydantoin. Some notes on the hydantoin synthesis for the preparation of selenoamino acids	47- 56
5. HAGENFELDT, L., The concentrations of individual free fatty acids in human plasma and their interrelationships	57- 62
6. HAGENFELDT, L., Gas chromatographic determination of organic acids in blood	63- 73
7. ERICSON, T., Fractionation of glycoproteins on hydroxylapatite and Agarose gels	75- 86
8. ERICSON, T., On the biosynthesis of glycoproteins in the submandibular gland of the rat	87- 93
9. FRANSSON, L.-Å., Structure of dermatan sulfate. V. The hybrid structure of dermatan sulfate from hog intestinal mucosa	95- 98
10. NYSTRÖM, E., Preparation of methylated Sephadex and lipophilic Sephadex ion exchangers	99-106
11. NYSTRÖM, E. and SJÖVALL, J., Recycling and capillary column chromatography of steroids on lipophilic Sephadex	107-115
12. BERGGREN, B., Studies on yeast β -fructofuranosidase (invertase). XXIII. Studies on the heterogeneity of the enzyme and its liberation from the yeast	117-126
13. DUUS, F. and LAWESSON, S.-O., Monothio- β -dicarbonyl compounds	127-138
14. SHANBHAG, V. P., Macromolecular properties of cellulose tricarbanilate in dilute solution. III. Unperturbed dimensions of cellulose tricarbanilate from viscosity, sedimentation, weight average molecular weight and osmotic pressure data obtained in good solvents	139-161
15. SHANBHAG, V. P. and ÖHMAN, J., Macromolecular properties of cellulose tricarbanilate in dilute solutions. IV. Unperturbed dimensions of cellulose tricarbanilate from measurements in theta solvents	163-177
16. GROFF, T. M. †, RAKOFF, H. and HOLMAN, R. T., Mass spectrometry of lipids. Isomeric methyl nonynoates and the corresponding nonenoates and dideuterononenoates	179-190
17. DUUS, F., LAWESSON, S.-O., BOWIE, J. H. and COOKS, R. G., Studies on enethiols. II. Mass spectra of β -thioketoesters	191-201
18. LAGERCRANTZ, C. and TORSSELL, K., Electron-spin resonance studies of stable iminoxyl radicals. Structure of the radicals formed from tetranitromethane and 1,3-dicarbonyl compounds	203-218
19. TORSSELL, K., LAGERCRANTZ, C. and WOLD, S., Divalent anion-radicals derived from some aryl dinitromethane compounds	219-228
20. HÖRNFELDT, ANNA-BRITTA, Unsaturated γ -thiolactones. VIII. A compar-	

ison of the rearrangement of the 5-methyl- and 5-tert.butyl-thiolene-2-ones with the corresponding butenolides	229-245
21. HÖRNFELDT, ANNA-BRITTA, Unsaturated γ -thiolactones. IX. Dissociation constants and UV-spectra of 5-methyl- and 5-tert.butyl-thiolene-2-ones	247-252
22. SASAKI, Y. and SILLÉN, L. G., Equilibrium studies of polyanions. 16. Equilibria of molybdates in 3 M Na(ClO ₄) medium at 25°C	253-277
23. SUNDELÖF, L.-O., Determination of molecular weight distributions from sedimentation-diffusion equilibrium experiments by a convolution procedure	179-300
24. JONSSON, E. and HOLMQUIST, S., Isomeric sulfoxides from thiolane-3,4-dicarboxylic acid. Synthesis and assignments of configuration by means of NMR, acidity constants and by reduction rates in acidic iodide solution	301-310
25. CLAESON, G. and THALÉN, A., The structure of 1,2-dithiolan-4-one-3-acetic acid and 1,2-dithiolan-4-one-3-valeric acid and a discussion of their spectroscopical properties	311-323
26. AHLBERG, P., The mechanism of the condensation of indene with acetone and side reactions	325-342
27. NORRESTAM, R., Refinement of the crystal structure of scandium oxide from single-crystal diffractometer data	343-349
28. ÖHLSSON, L., WOLD, S. and BERGSON, G., Activation parameters and hydrogen isotope effect for the 1,3-tautomeric rearrangement in the indene ring-system	351-366
29. LUNDBLAD, G. and SCHILLING, W., Changes in cathepsin D activity and concomitant studies of macromolecular components in the early sea urchin development	367-377
30. FUCHS, G., The <i>cis</i> - and <i>trans</i> -3-mercapto-4-hydroxyvaleric acid γ -lactones	379-387
31. LARSSON, K. S., BOSTRÖM, H. and JUTHEDEN, GUNNEL, Influence of <i>in vivo</i> salicylate treatment on S ³⁵ -sulfate <i>in vitro</i> incorporation in mesenchymal tissue	389-394
32. WAHBA, M., The effect of drying and of temperature on the infrared spectra of regenerated cellulose films, in relation to the second order transition of cellulose round 25°C	395-413
33. NILSSON, B., X-ray analysis of himachalene monohydrochloride	415-426
34. HÖRNFELDT, A.-B., Unsaturated γ -thiolactones. X. Tautomeric rearrangement of 5-chloro- and 5-fluorothiolene-2-ones	427-436
35. ZDANSKY, G., A convenient synthesis of γ -benzylselenohomocysteine and the preparation of optically active selenomethionine	437-442
36. ZDANSKY, G., L-, D-, and <i>meso</i> -Selenolanthionine	443-448
37. ZDANSKY, G., The synthesis of optically active selenocystathionines	449-453
38. HÖRNFELDT, A.-B., Unsaturated γ -thiolactones. XI. Deuterium exchange with 5-methyl-4-thiolene-2-one	455-460
39. HÖRNFELDT, A.-B., Unsaturated γ -thiolactones. XII. Tautomeric rearrangement of the 5-methylthiolene-2-one system under the influence of various pyridine bases	461-469
40. AGENÄS, L.-B. and LINDGREN, B., The infrared spectra of some symmetric seleno- and diseleno-substituted dicarboxylic acids	471-477
41. AGENÄS, L.-B. and LINDGREN, B., Mass spectrometry of organo-selenium compounds. II. Investigation of 2-methyl-3-selenocyanatopyrrole and 2,5-dimethyl-3-selenocyanatopyrrole	479-483

42. WILLIAMS, P., Photochemical degradation of cellulose and some of its derivatives in solution	485-502
43. REBANE, E., Monomolecular films of long-chain alkyl seleninic acids on water	503-513
44. FREDGA, A., GAMSTEDT, and EKERMO, L., Studies on synthetic growth substances. XXIX. Resolution and absolute configuration of 2-chloro-4-nitrophenoxy-propionic acid and 4-chloro-2-nitrophenoxy-propionic acid . .	515-524
45. SCHROLL, G., NYGAARD, S.-P., LAWESSON, S.-O., DUFFIELD, A. M. and DJERASSI, C., 1,4-Dihydropyridines. Preparation and spectroscopic properties	525-534
46. GUSTAFSSON, J.-Å., Steroids in germfree and conventional rats, VIII. Studies on urinary C ₁₉ and C ₂₁ steroids	535-542
47. BIDDLE, D., Fluorescence depolarisation studies on hydroxyethyl cellulose solutions. I. Solvent effects	543-552
48. BIDDLE, D., Fluorescence depolarisation studies on hydroxyethyl cellulose solutions. II. Concentrated solutions	553-561
49. ODHAM, G. and WAERN, K., Synthesis of methyl 2D,4D,6D- and 2L,4D,6D-trimethyldodec-11-enoate	563-575
50. PARDHAN, S. and FISCHER, L., Flash photolysis of sodium naphthalenide in tetrahydrofuran	577-585
51. GUSTAFSSON, H., Synthesis and resolution of α (4,5,6,7-tetrahydroindazoly-2)-propionic acid. Hydrogenation of (–) α (indazoly-2)-propionic acid	587-591
52. SÖRLIN, B. and BERGSON, G., The absolute configuration of some 3-phenyl alkanolic acids and alkyl-substituted indenenes	593-610

